

APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations.

Table 22: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Bystander 25mm Spacing	1	A	1	-	06
	2	B	1	-	06
Lap Held	3	A	1	-	06
	4	B	1	-	06
Primary Portrait	5	A	1	-	06
Secondary Landscape	-	A	1	-	06
	6	B	1	-	06
Secondary Portrait	7	B	1	-	01
	8	B	1	-	06
	9	B	1	-	11

Table 23: 2450MHz System verification Plot

Plot 10	System verification 2450 MHz 19 th April 2011
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Test Date: 19 April 2011

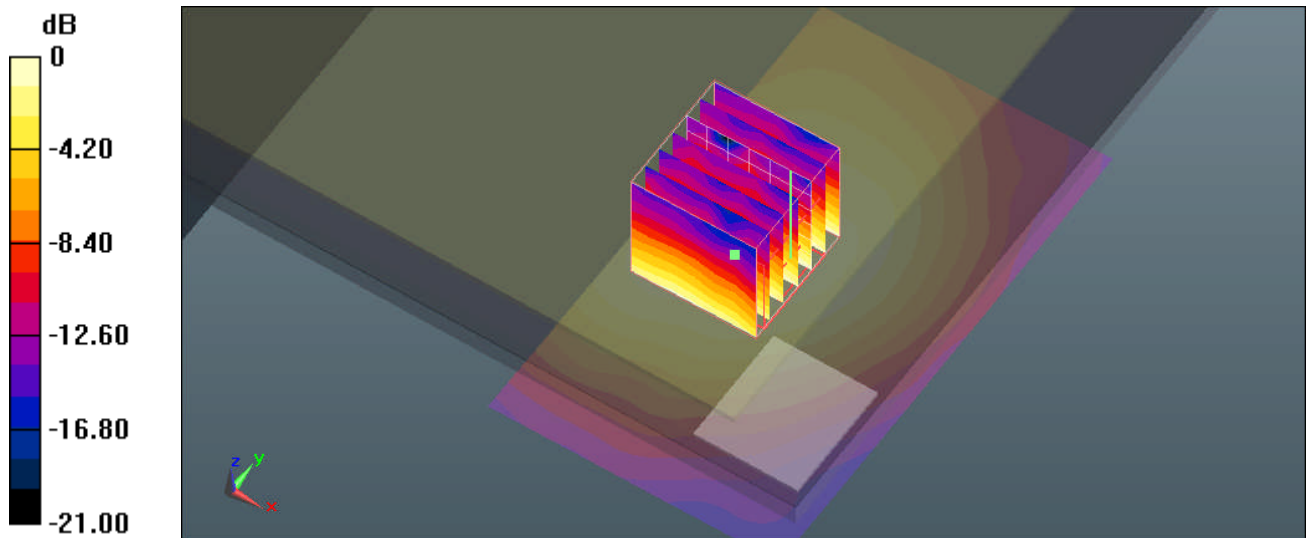
File Name: M110362 Bystander 25mm Spacing DSSS 2.4 GHz Ant A 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.051 mW/g

Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 4.748 V/m; Power Drift = -0.08 dB
 Peak SAR (extrapolated) = 0.101 W/kg
SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.027 mW/g
 Maximum value of SAR (measured) = 0.051 mW/g

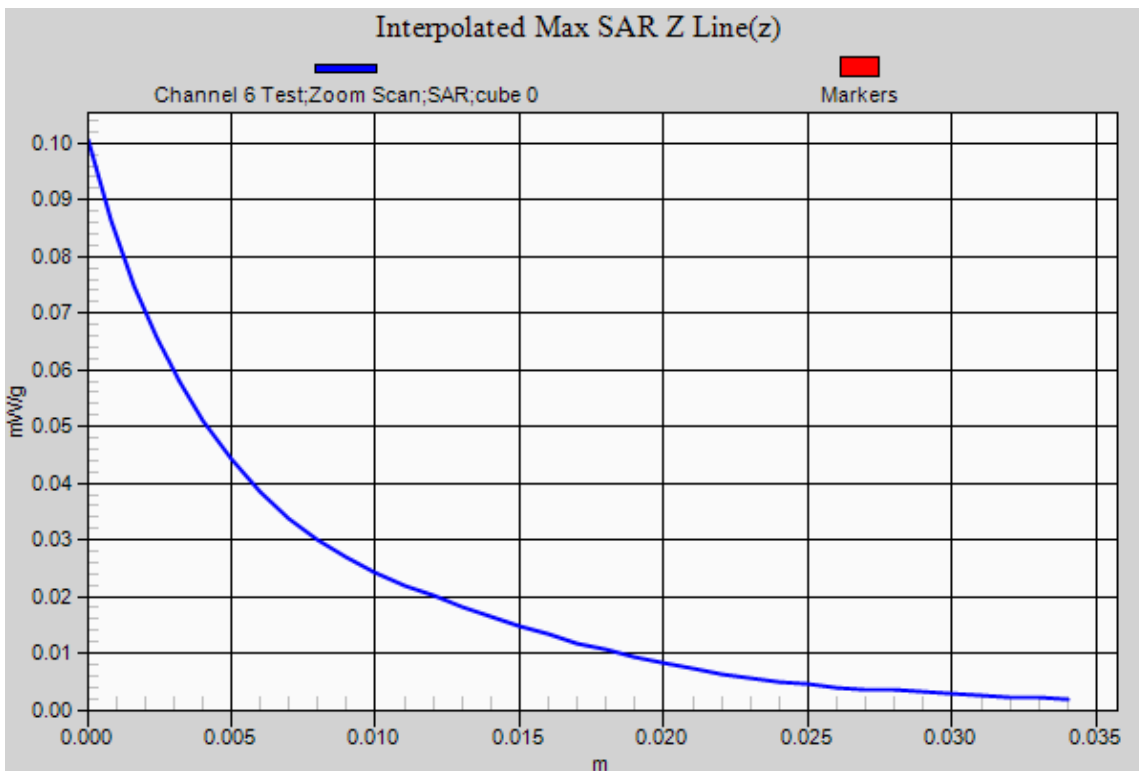


0 dB = 0.050mW/g

SAR MEASUREMENT PLOT 1

Ambient Temperature
 Liquid Temperature
 Humidity

21.0 Degrees Celsius
 20.8 Degrees Celsius
 40.0 %



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Test Date: 19 April 2011

File Name: M110362 Bystander 25mm spacing DSSS 2.4 GHz Ant B 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.034 mW/g

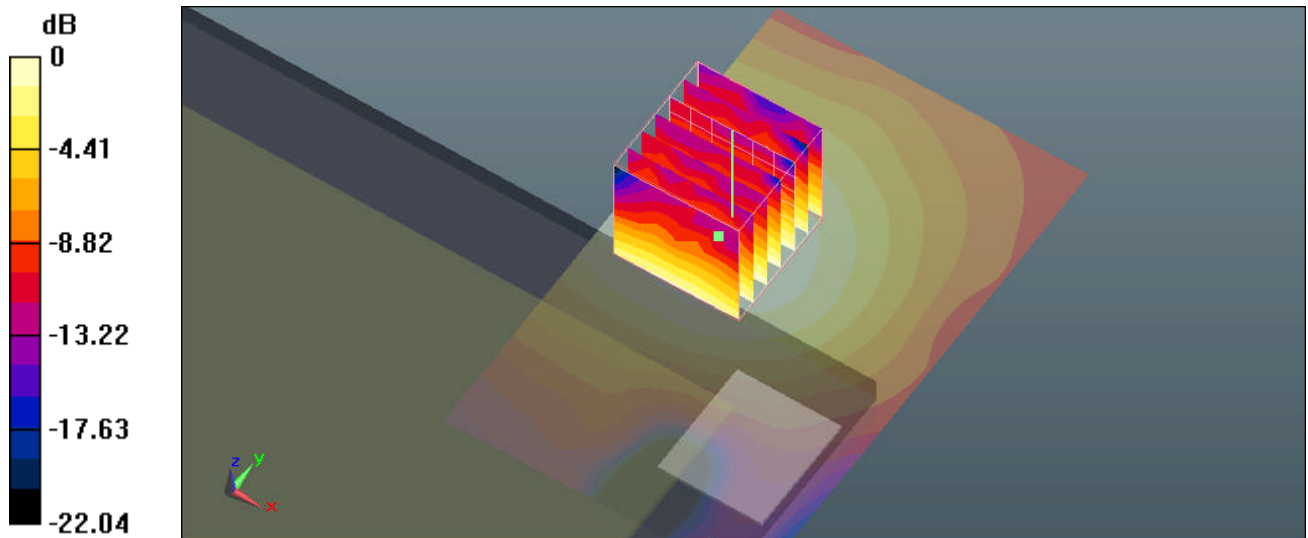
Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.124 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.062 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.033 mW/g

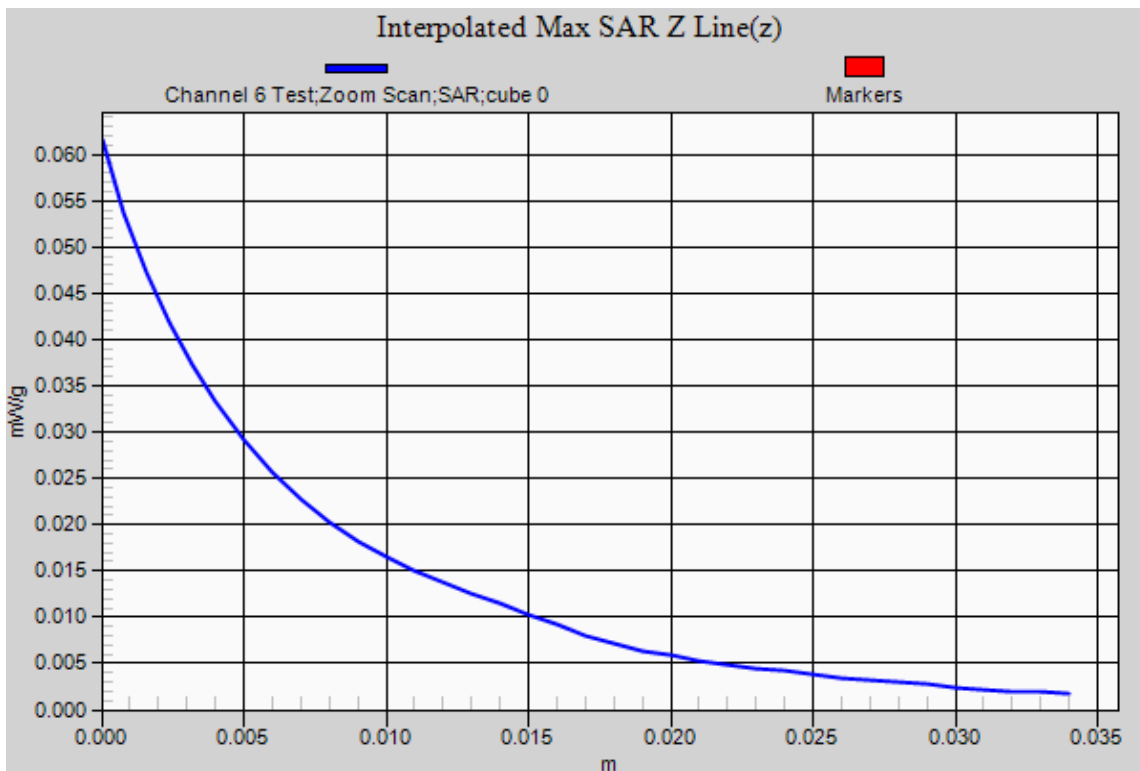


0 dB = 0.030mW/g

SAR MEASUREMENT PLOT 2

Ambient Temperature
 Liquid Temperature
 Humidity

21.0 Degrees Celsius
 20.8 Degrees Celsius
 40.0 %



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Test Date: 19 April 2011

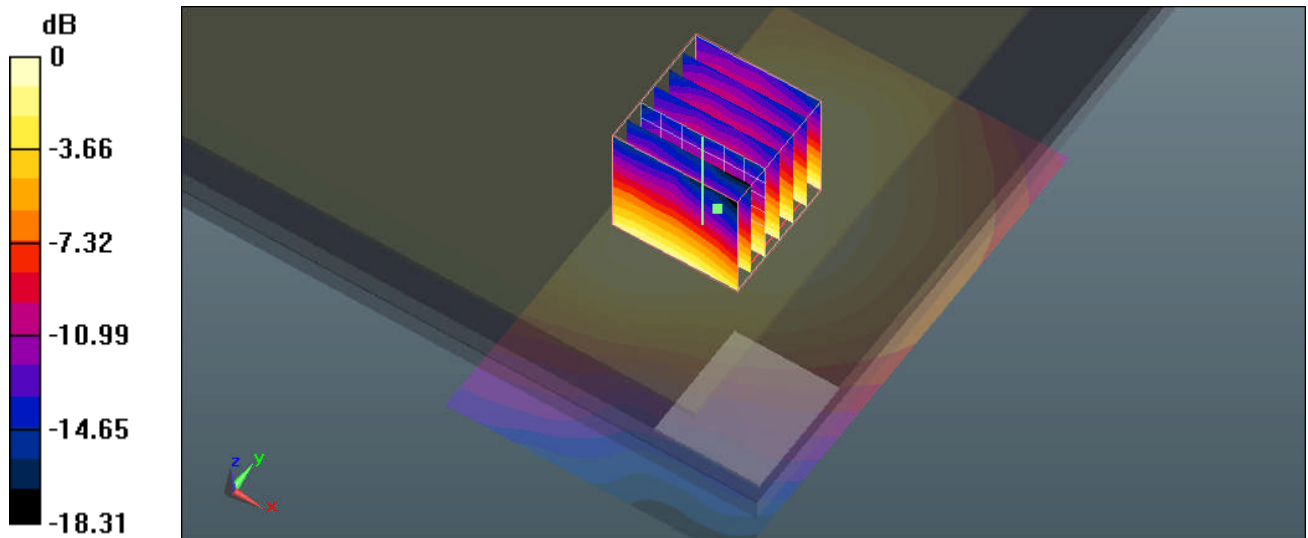
File Name: M110362 Lap Held DSSS 2.4 GHz Ant A 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (71x121x1): Measurement grid: dx=10mm, dy=10mm
 Maximum value of SAR (interpolated) = 0.088 mW/g

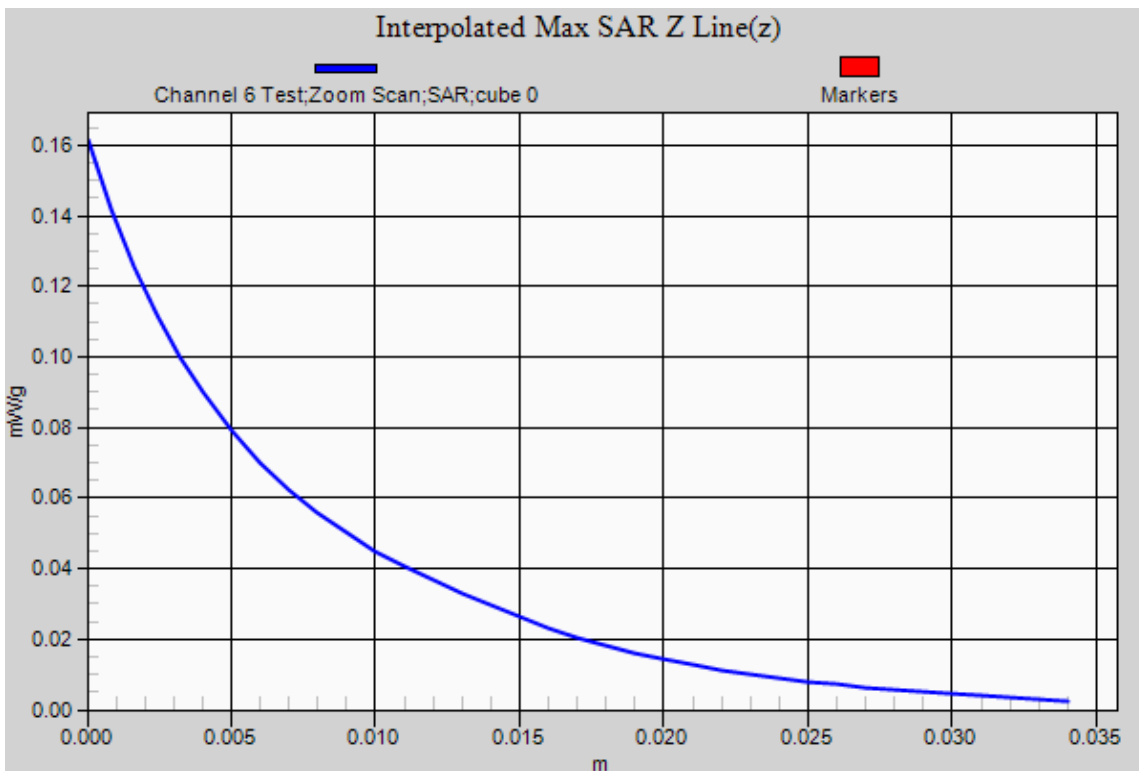
Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 5.322 V/m; Power Drift = 0.32 dB
 Peak SAR (extrapolated) = 0.161 W/kg
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.049 mW/g
 Maximum value of SAR (measured) = 0.091 mW/g



SAR MEASUREMENT PLOT 3

Ambient Temperature
 Liquid Temperature
 Humidity

21.0 Degrees Celsius
20.8 Degrees Celsius
40.0 %



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Test Date: 19 April 2011

File Name: M110362 Lap Held DSSS 2.4 GHz Ant B 19-04-11.da52:0

DUT: Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D

* Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886

* Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.012 mW/g

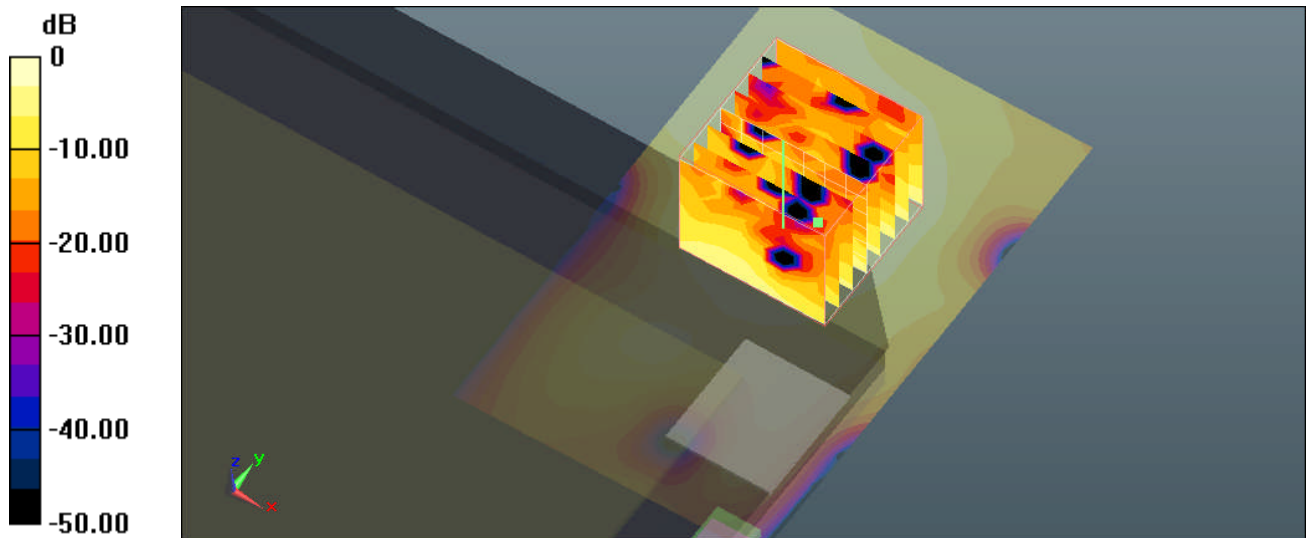
Configuration/Channel 6 Test/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.590 V/m; Power Drift = 0.39 dB

Peak SAR (extrapolated) = 0.029 W/kg

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00703 mW/g

Maximum value of SAR (measured) = 0.015 mW/g

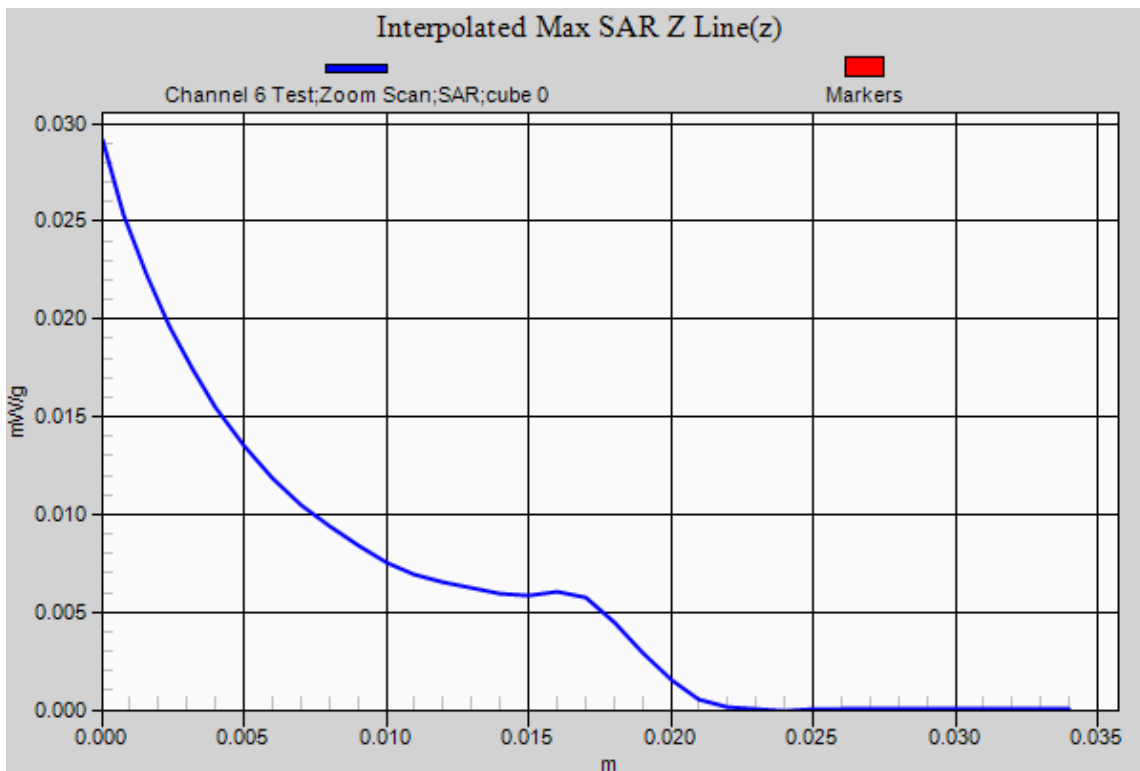


0 dB = 0.020mW/g

SAR MEASUREMENT PLOT 4

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
20.8 Degrees Celsius
40.0 %



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Test Date: 19 April 2011

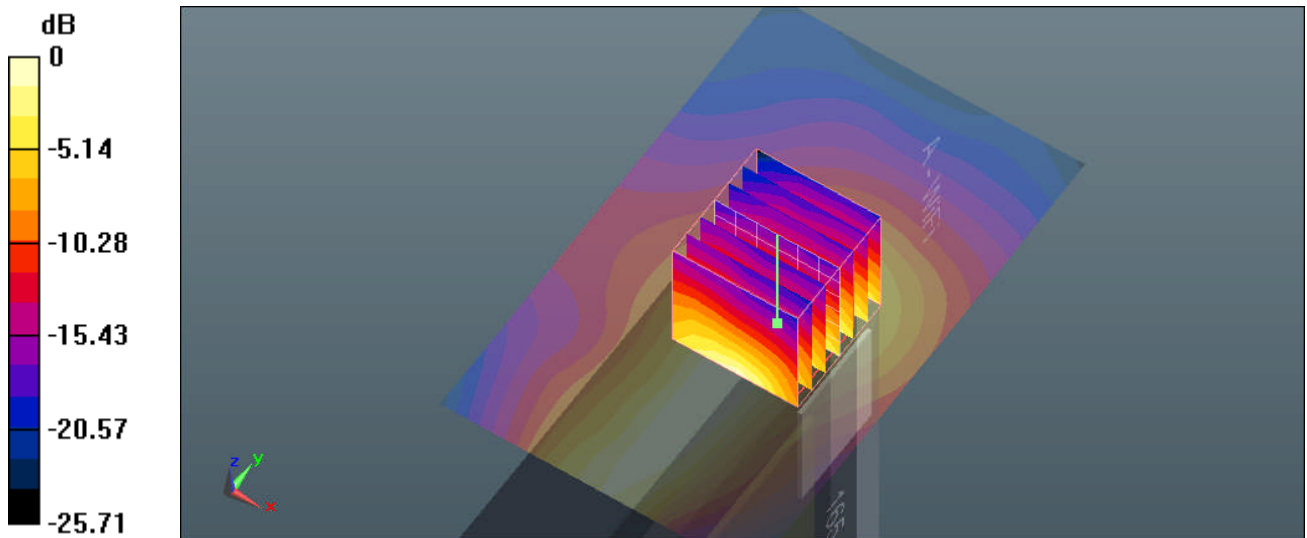
File Name: M110362 Primary Portrait DSSS 2.4 GHz Ant A 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.294 mW/g

Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 8.151 V/m; Power Drift = -0.20 dB
 Peak SAR (extrapolated) = 0.632 W/kg
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.112 mW/g
 Maximum value of SAR (measured) = 0.269 mW/g

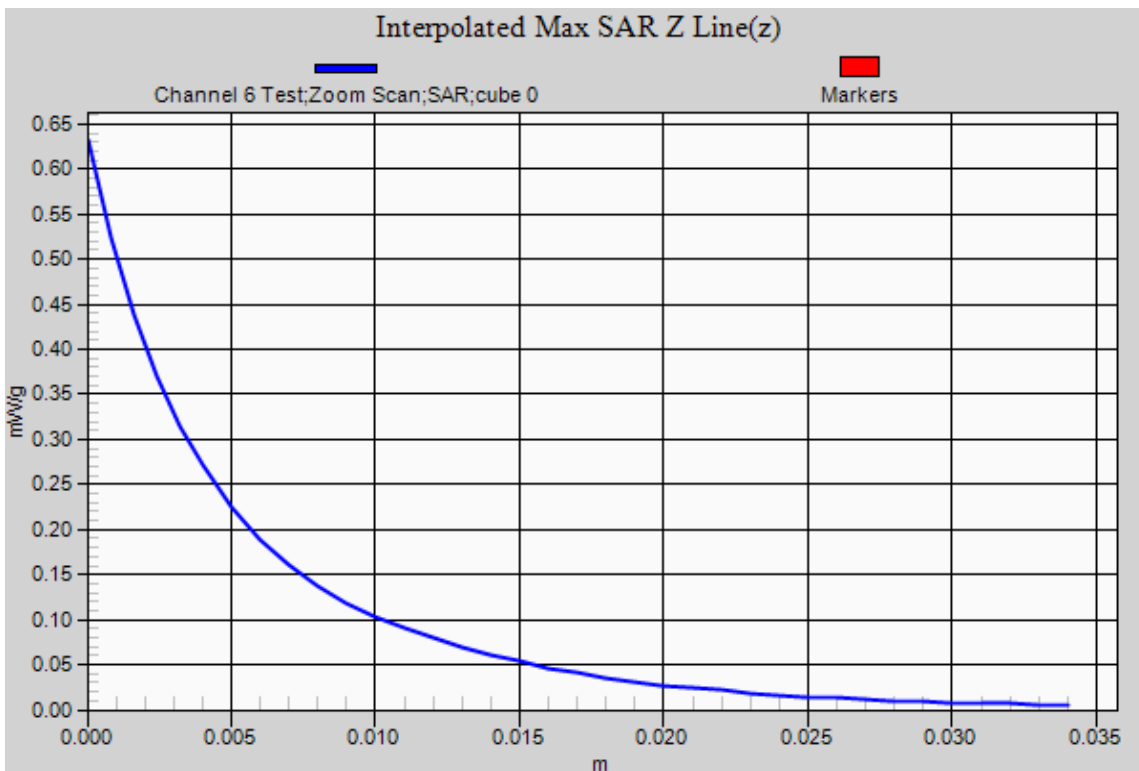


0 dB = 0.270mW/g

SAR MEASUREMENT PLOT 5

Ambient Temperature
 Liquid Temperature
 Humidity

21.0 Degrees Celsius
20.8 Degrees Celsius
40.0 %



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Test Date: 19 April 2011

File Name: M110362 Secondary Landscape DSSS 2.4 GHz Ant B 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.082 mW/g

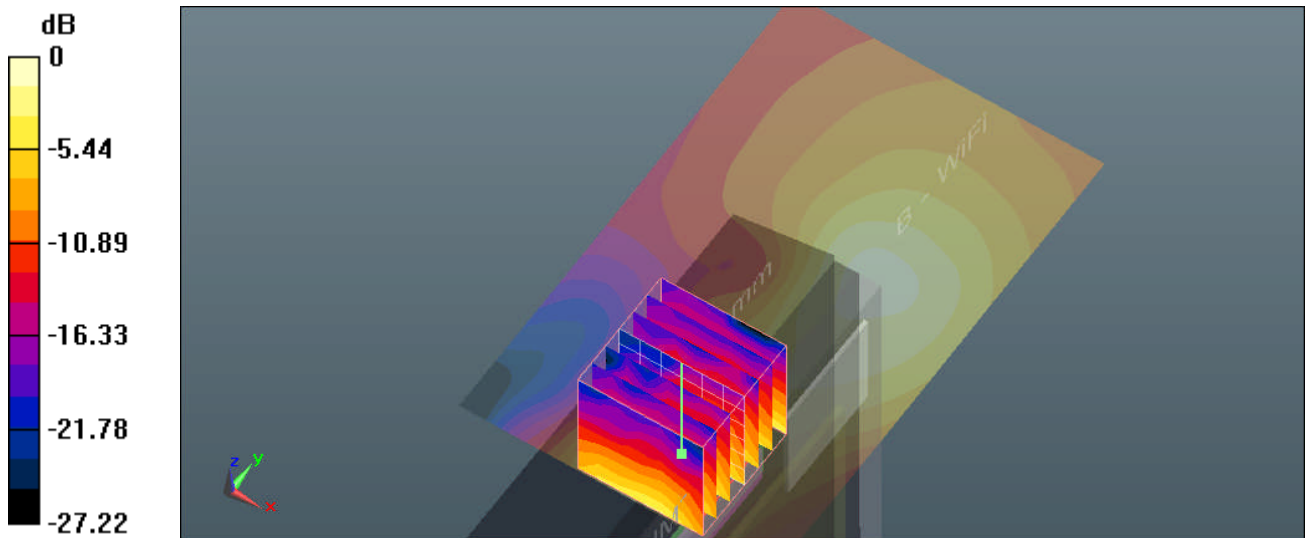
Configuration/Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.346 V/m; Power Drift = 0.36 dB

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.032 mW/g

Maximum value of SAR (measured) = 0.083 mW/g

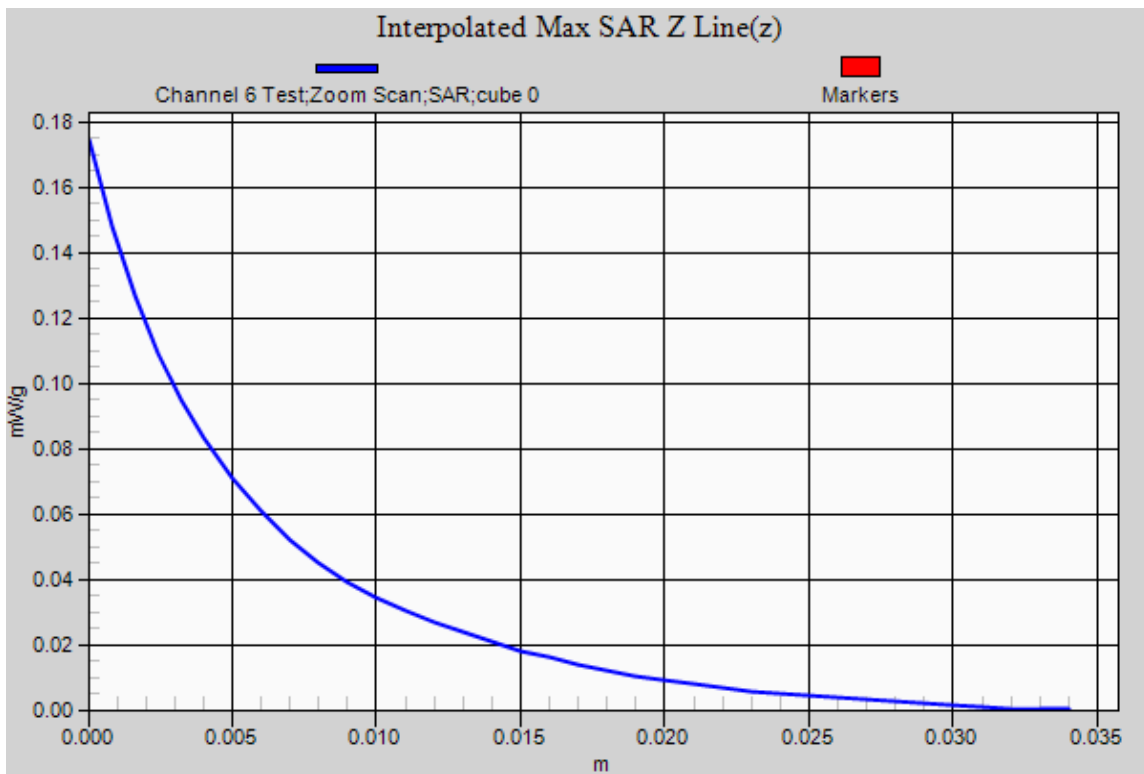


0 dB = 0.080mW/g

SAR MEASUREMENT PLOT 6

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
20.8 Degrees Celsius
40.0 %



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Test Date: 19 April 2011

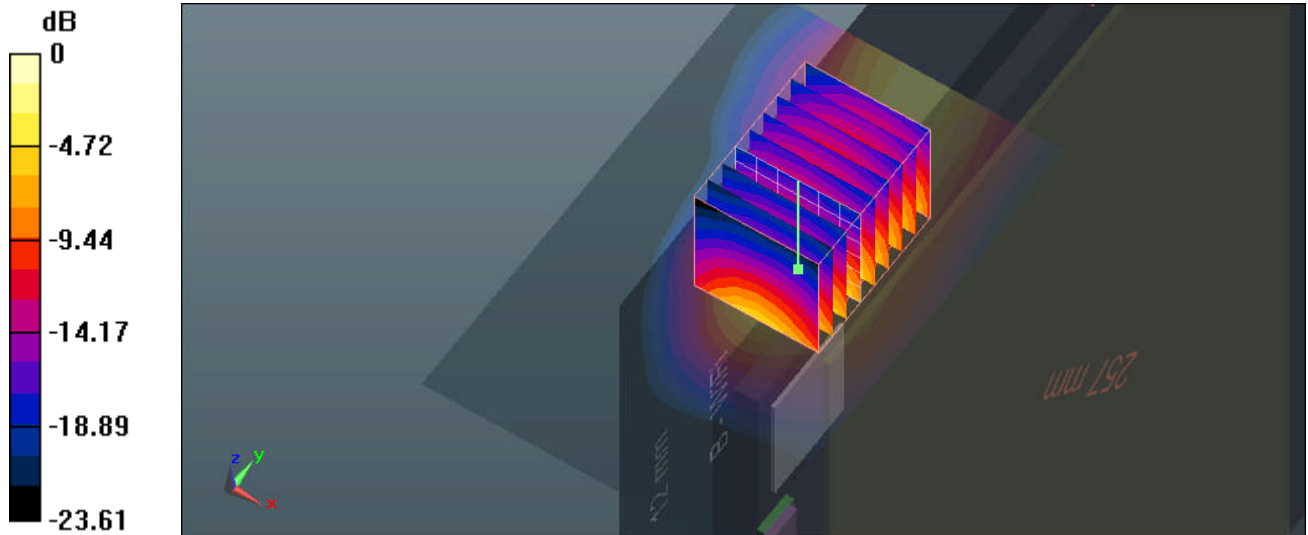
File Name: M110362 Secondary Portrait DSSS 2.4 GHz Ant B 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2412 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2412$ MHz; $\sigma = 1.852$ mho/m; $\epsilon_r = 53.043$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 1 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.590 mW/g

Configuration/Channel 1 Test/Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 9.953 V/m; Power Drift = -0.17 dB
 Peak SAR (extrapolated) = 1.350 W/kg
SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.244 mW/g
 Maximum value of SAR (measured) = 0.561 mW/g

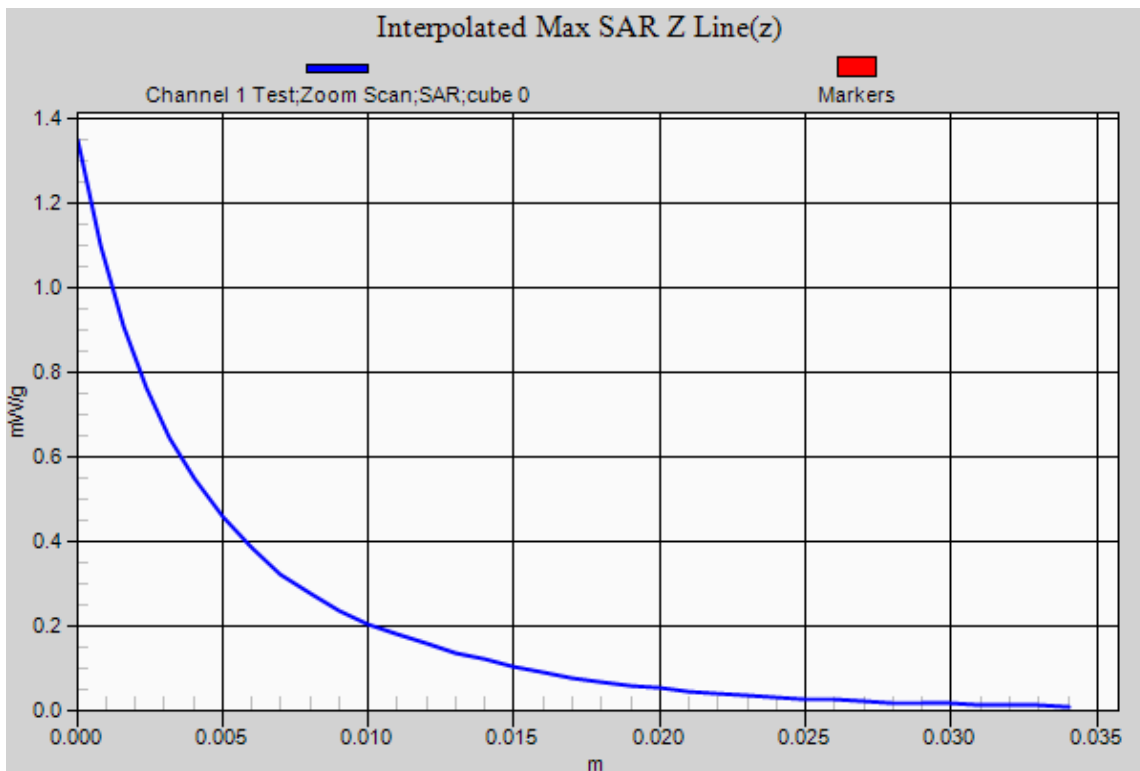


0 dB = 0.560mW/g

SAR MEASUREMENT PLOT 7

Ambient Temperature
 Liquid Temperature
 Humidity

21.0 Degrees Celsius
 20.8 Degrees Celsius
 40.0 %



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Test Date: 19 April 2011

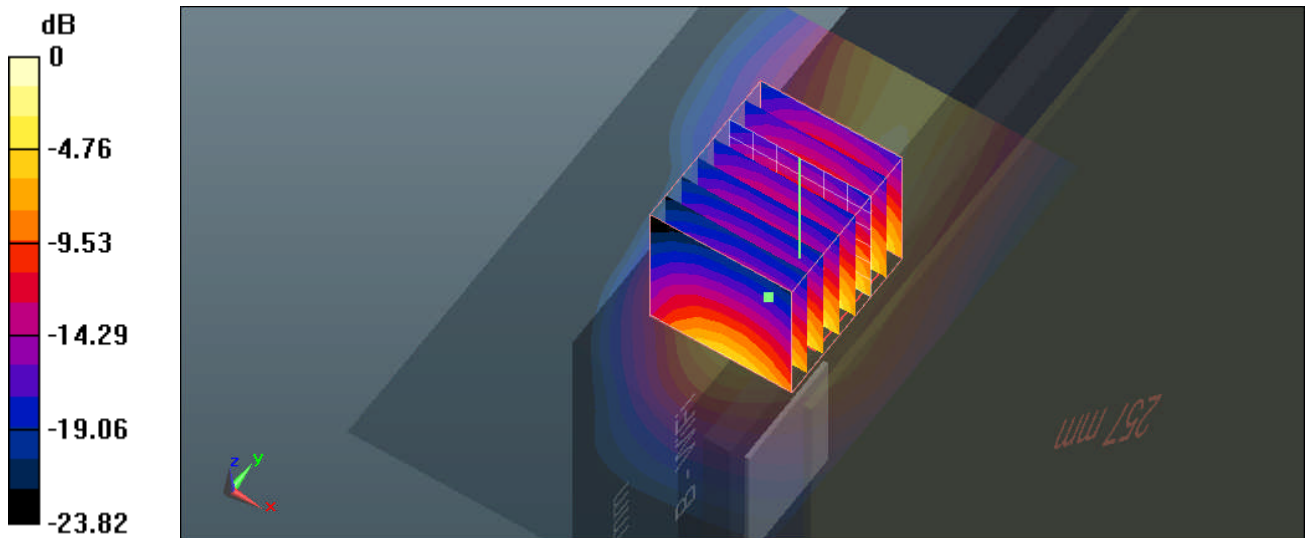
File Name: M110362_Secundary_Portrait_DSSS_2.4_GHz_Ant_B_19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

- * Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2437 MHz; Duty Cycle: 1:1.53886
- * Medium parameters used: $f = 2436$ MHz; $\sigma = 1.888$ mho/m; $\epsilon_r = 52.896$; $\rho = 1000$ kg/m³
- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)
- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 6 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm
 Maximum value of SAR (interpolated) = 0.872 mW/g

Configuration/Channel 6 Test/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
 Reference Value = 12.000 V/m; Power Drift = -0.05 dB
 Peak SAR (extrapolated) = 1.902 W/kg
SAR(1 g) = 0.733 mW/g; SAR(10 g) = 0.350 mW/g
 Maximum value of SAR (measured) = 0.793 mW/g

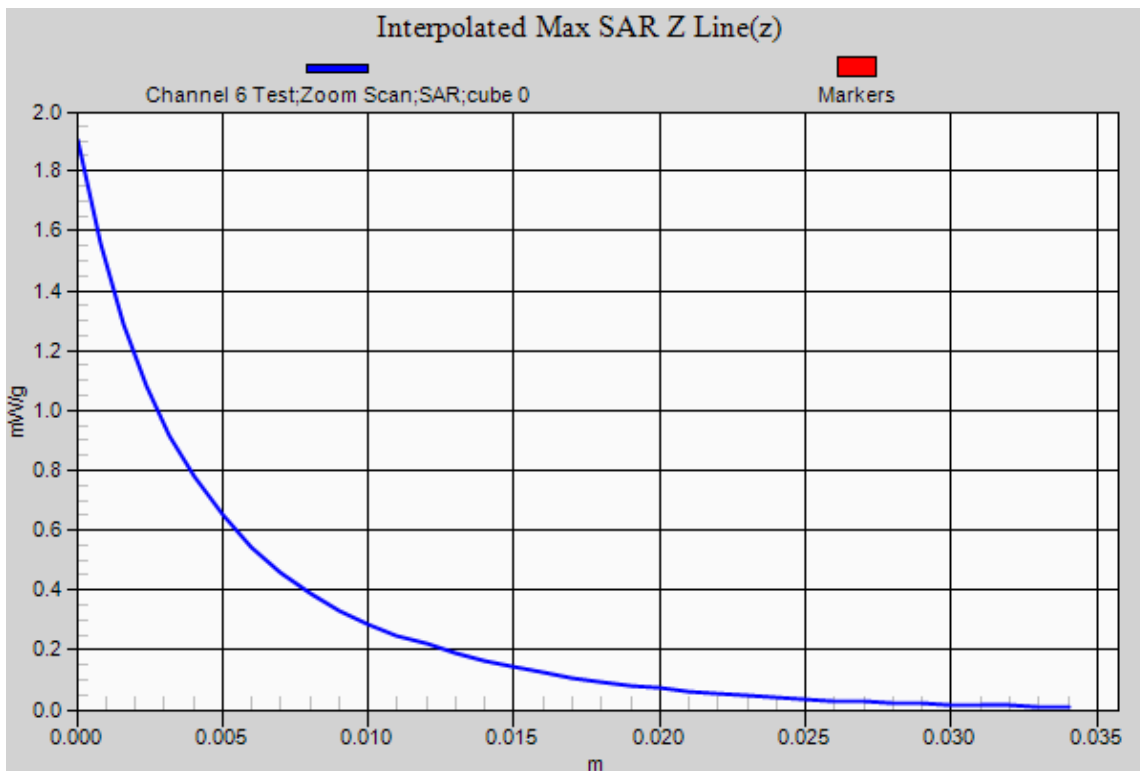


0 dB = 0.790mW/g

SAR MEASUREMENT PLOT 8

Ambient Temperature
 Liquid Temperature
 Humidity

21.0 Degrees Celsius
 20.8 Degrees Celsius
 40.0 %



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Test Date: 19 April 2011

File Name: M110362 Secondary Portrait DSSS 2.4 GHz Ant B 19-04-11.da52:0

DUT: **Fujitsu Tablet Claw with HB116 11abgn; Type: AR5BHB116; Serial: MAC: 4CEDDE2CE17D**

* Communication System: DSSS 2450 MHz 1Mbps; Frequency: 2462 MHz; Duty Cycle: 1:1.53886

* Medium parameters used: $f = 2462$ MHz; $\sigma = 1.923$ mho/m; $\epsilon_r = 52.707$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 11 Test/Area Scan (51x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.033 mW/g

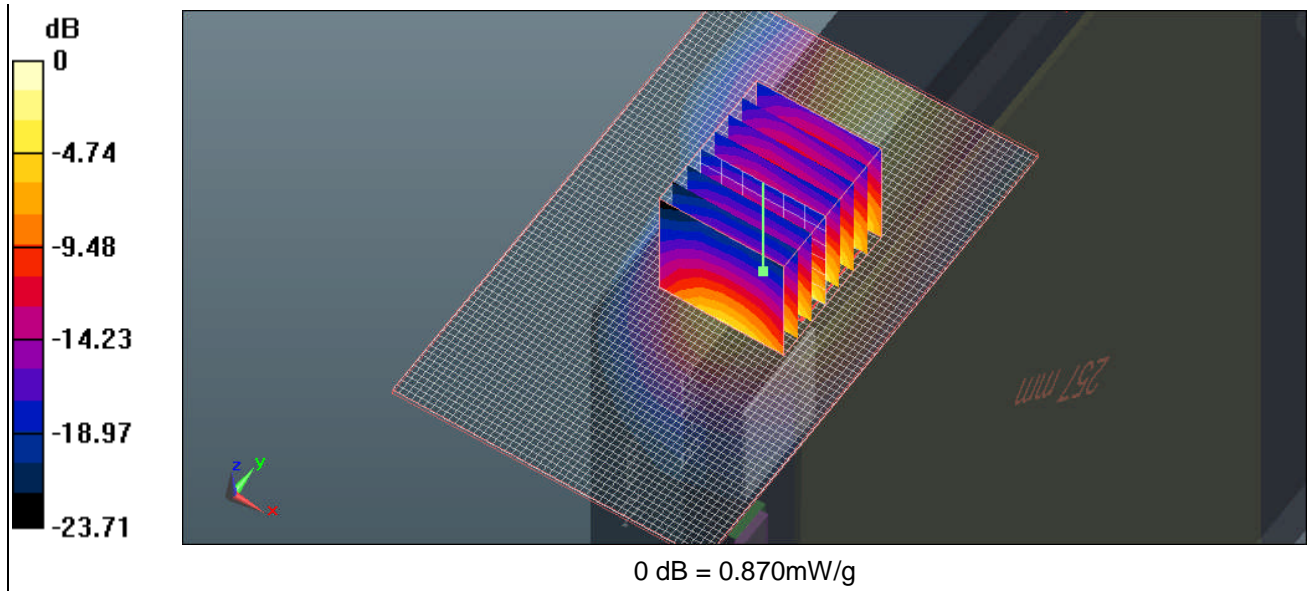
Configuration/Channel 11 Test/Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.086 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.149 W/kg

SAR(1 g) = 0.805 mW/g; SAR(10 g) = 0.391 mW/g

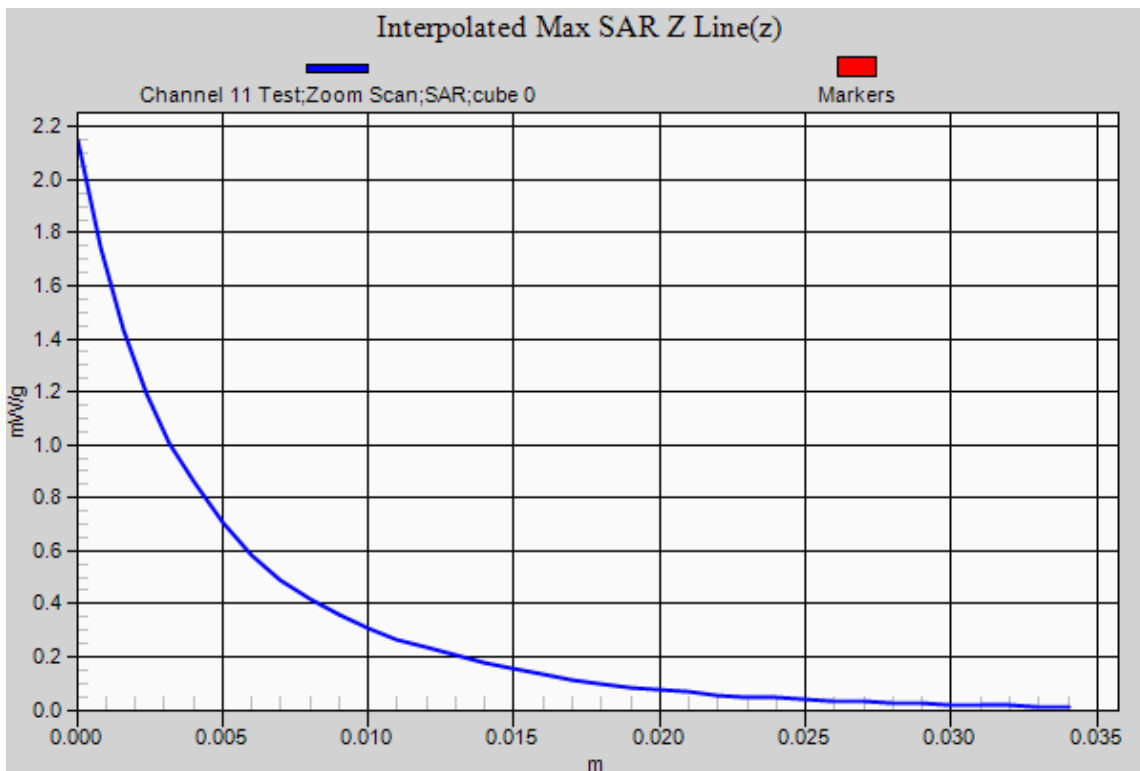
Maximum value of SAR (measured) = 0.870 mW/g



SAR MEASUREMENT PLOT 9

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
20.8 Degrees Celsius
40.0 %



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Test Date: 19 April 2011

File Name: System Check 2450 MHz 19-04-11.da52:0

DUT: Dipole 2450 MHz; Type: DV2450V2; Serial: 724

* Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

* Medium parameters used: $f = 2450$ MHz; $\sigma = 1.906$ mho/m; $\epsilon_r = 52.796$; $\rho = 1000$ kg/m³

- Electronics: DAE3 Sn442; Probe: ET3DV6 - SN1380; ConvF(4.09, 4.09, 4.09)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Configuration/Channel 1 Test/Area Scan (51x51x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 16.706 mW/g

Configuration/Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

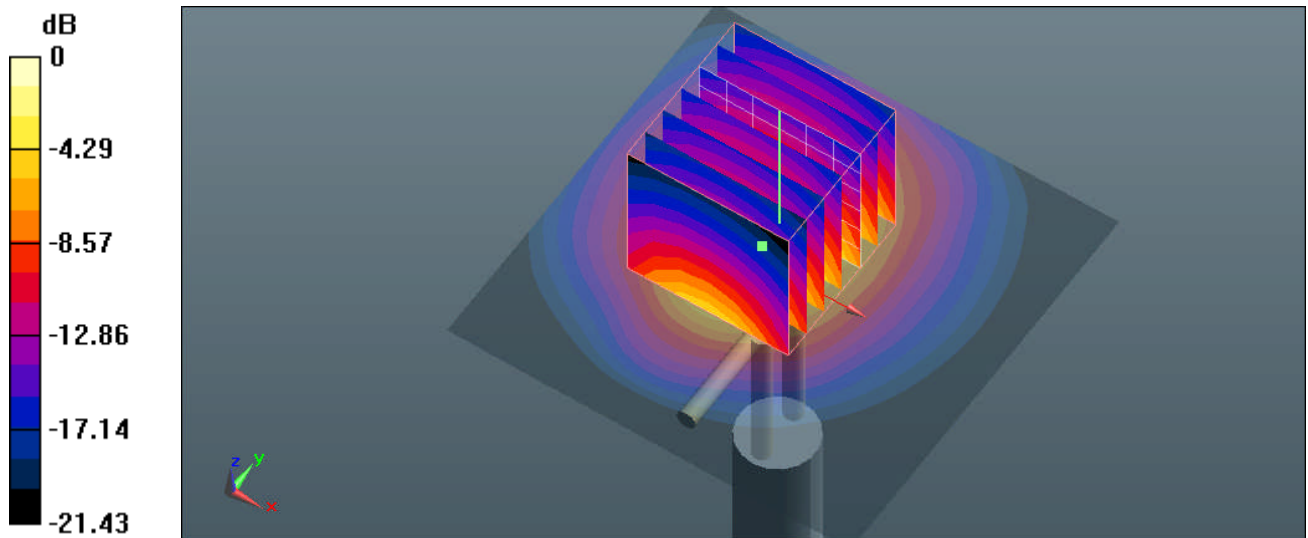
dx=5mm, dy=5mm, dz=5mm

Reference Value = 91.037 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 32.972 W/kg

SAR(1 g) = 14.8 mW/g; SAR(10 g) = 6.98 mW/g

Maximum value of SAR (measured) = 16.325 mW/g



0 dB = 16.320mW/g

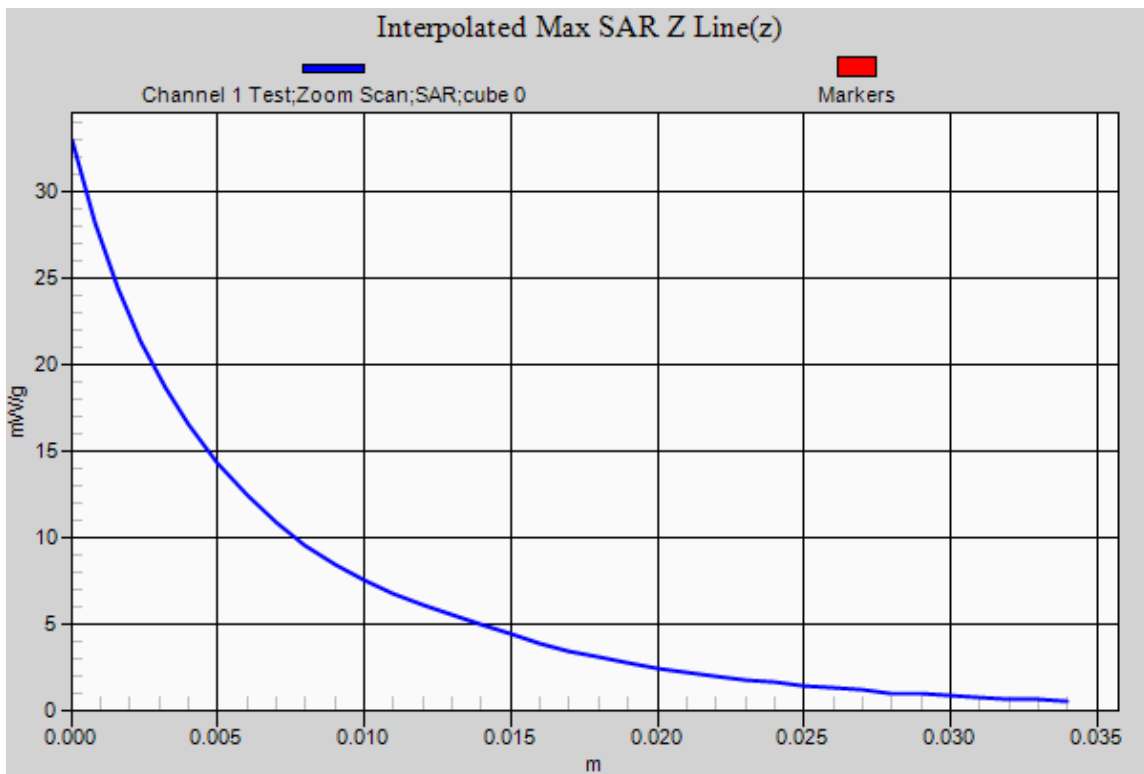
SAR MEASUREMENT PLOT 10

Ambient Temperature
Liquid Temperature
Humidity

21.0 Degrees Celsius
20.8 Degrees Celsius
40.0 %



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